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Unclassified								
2a. SECURITY CLASSIFICATION AUTHORITY					3. DISTRIBUTION	AVAILABILITY OF	REPORT	
2b. DECLASSIFICATION / DOWNGRADING SCHEDULE					Unrestricted			
4. PERFORMING ORGANIZATION REPORT NUMBER(S)					5. MONITORING ORGANIZATION REPORT NUMBER(S)			
DOD POP	HMTR/A	(D 91	1-013					
6a. NAME OF	PERFORMING	ORGAN	IZATION	6b. OFFICE SYMBOL	7a. NAME OF MONITORING ORGANIZATION			
Packaging Division				(If applicable) SMCAR-AEP	Ì			
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1. TITLE (Incl	ude Security (Classifica	ition)					
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FIELD GROUP SUB-GROUP Performance Oriented Packaging, POP, M143 S&A Metal Drum								
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9. ABSTRACT	(Continue on	reverse	if necessary	and identify by block n	umber)	•		
This re	port co	ntai	ns the 1	testing and to	est results	s performe	d on the	
M143E1	Patriot	S&A	Device	(packed 1 S&	A/drum). 💪	5)		
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1. DATA:

CONTAINER:

Type: Drum, Metal

UN Code: 1A2

Nomenclature: Drum, Metal, Shipping

Specification Number: MS27684 Drawing Number: 9282999-63

Material: Metal

Capacity: 2.27 kg (5 1bs)

Dimensions: $35.9 \text{ cm H} \times 26.0 \text{ cm dia}$. $(14.12 \text{ in H} \times 10.26 \text{ in dia})$

Gross Weight: 6.8 kg (15 1bs)

PRODUCT:

Name: M143E1 S&A

Drawing Number: 9331669

United Nations Number: 0410

United Nations Packing Group: II

Physical State: Solid

Amount per Container: 1 S&A

2. BACKGROUND:

This report contains the testing and test results performed on the M143El S&A. The metal drum (PN 9282999-63) contains 1 S&A and is packed in accordance with drawing no. 9331669. Tests were performed in accordance with Performance Oriented Packaging test regulations.

3. TEST:

DROP:

Drums were dropped once each from 1.2 meters (4 feet). The drums were dropped on 3 inch solid steel plate reinforced by 18 inches of crushed rock in 2 different orientations. The orientations were as follows:

3 drops diagonally on chime

3 drops on longitudinal seam

LOOSE CARGO VIBRATION:

Vibration tests were performed on 3 drums for 1 hour each. The frequency applied caused the drum to be raised from the vibrating platform 1/16 in. (1.6mm).



4. RESULTS:

The containers passed all tests since none of the contents were discharged. They are considered safe for international transportation in accordance with Performance Oriented Packaging regulations.

5. REFERENCED MATERIAL:

- a. United Nations, "Transport of Dangerous Goods", 6th Edition
- b. Federal Register Part II



